### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11432182

Catalog #: 20012ST3QIERB449T-W2

Frame : 447/9T Cooling method : IC411 - TEFC

Insulation class Mounting : F-1

Duty cycle : Cont.(S1) Rotation<sup>1</sup> : Both (CW and CCW)

: -20°C to +40°C Starting method Ambient temperature : Direct On Line Altitude : 1000 m.a.s.l. Approx. weight<sup>3</sup> : 2862 lb

Protection degree : IP55 Moment of inertia (J) : 145 sq.ft.lb

Design		: B			( )		'	
Output [HP]		200	175	175	175	200	200	200
Poles		6	6	6	6	6	6	6
Frequency [Hz]		60	50	50	50	50	50	50
Rated voltage [V]		460	380	400	415	380	400	415
Rated current [A]		237	250	243	236	285	273	265
L. R. Amperes [A]		1446	1375	1507	1581	1340	1474	1564
LRC [A]		6.1x(Code	5.5x(Code F)	6.2x(Code	6.7x(Code H)	4.7x(Code D)	5.4x(Code F)	5.9x(Code
		G)		G)				G)
No load current [A	]	85.0	83.9	91.0	96.0	83.9	91.0	96.0
Rated speed [RPN	<i>/</i> I]	1185	980	980	980	980	980	980
Slip [%]		1.25	2.00	2.00	2.00	2.00	2.00	2.00
Rated torque [ft.lb]		886	938	938	938	1070	1070	1070
Locked rotor torqu	Locked rotor torque [%]		200	220	240	170	190	210
Breakdown torque	[%]	240	220	240	260	190	210	229
Service factor		1.15	1.00	1.00	1.00	1.00	1.00	1.00
Temperature rise		80 K	80 K	80 K	80 K	105 K	105 K	105 K
Locked rotor time		27s (cold) 15s (hot)	21s (cold) 12s (hot)					
Noise level <sup>2</sup>		70.0 dB(A)						
	25%	94.5	94.5	93.9	92.8	94.8	94.3	93.4
Efficiency (%)	50%	95.0	94.4	94.1	93.4	94.5	94.5	94.0
Elliciency (70)	75%	95.4	94.6	94.6	94.4	94.5	94.5	94.5
	100%	95.8	94.3	94.6	94.8	94.0	94.5	95.0
25%		0.45	0.46	0.43	0.40	0.51	0.47	0.45
Power Factor	50%	0.68	0.69	0.66	0.63	0.74	0.71	0.68
I OWEI FACIOI	75%	0.79	0.81	0.79	0.76	0.83	0.81	0.79
	100%	0.83	0.85	0.83	0.82	0.85	0.84	0.83

Drive end Non drive end Foundation loads

Bearing type NU-322 C3 6319 C3 Max. traction : 5140 lb Sealing Inpro/Seal Inpro/Seal Max. compression : 8002 lb

Lubrication interval 7000 h 13000 h 45 g Lubricant amount 60 g

Mobil Polyrex EM Lubricant type

Notes

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			1 / 36	

#### Three Phase Induction Motor - Squirrel Cage



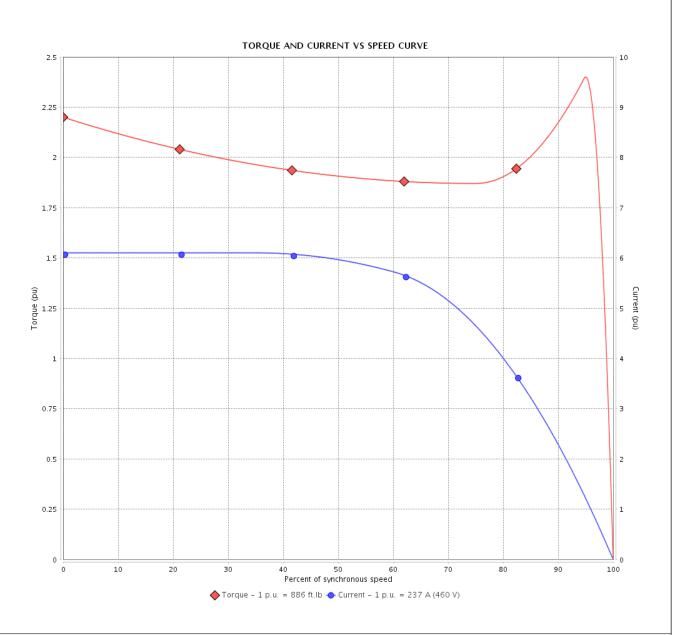
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11432182

Catalog #: 20012ST3QIERB449T-W2



Performance : 460 V 60 Hz 6P Rated current : 237 A Moment of inertia (J) : 145 sq.ft.lb **LRC** : 6.1 Duty cycle : Cont.(S1) : F Insulation class Rated torque : 886 ft.lb Service factor Locked rotor torque : 220 % : 1.15 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1185 rpm Design : B

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			2/36	



Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 11432182 Catalog #: 20012ST3QIERB449T-W2 TORQUE AND CURRENT VS SPEED CURVE 2.25 1.75 1.5 (pd) 1.25 Current 0.5 0.25 Percent of synchronous speed ◆ Torque - 1 p.u. = 938 ft.lb ◆ Current - 1 p.u. = 250 A (380 V) Performance : 380 V 50 Hz 6P IE1 Rated current : 250 A Moment of inertia (J) : 145 sq.ft.lb **LRC** : 5.5 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 938 ft.lb : 200 % Locked rotor torque Service factor : 1.00 Breakdown torque : 220 % Temperature rise : 80 K Rated speed : 980 rpm Design : B Locked rotor time : 21s (cold) 12s (hot)

Date Rev. Performed Checked **Changes Summary** Performed by Checked by Revision Page Date 14/04/2022 3/36

### Three Phase Induction Motor - Squirrel Cage



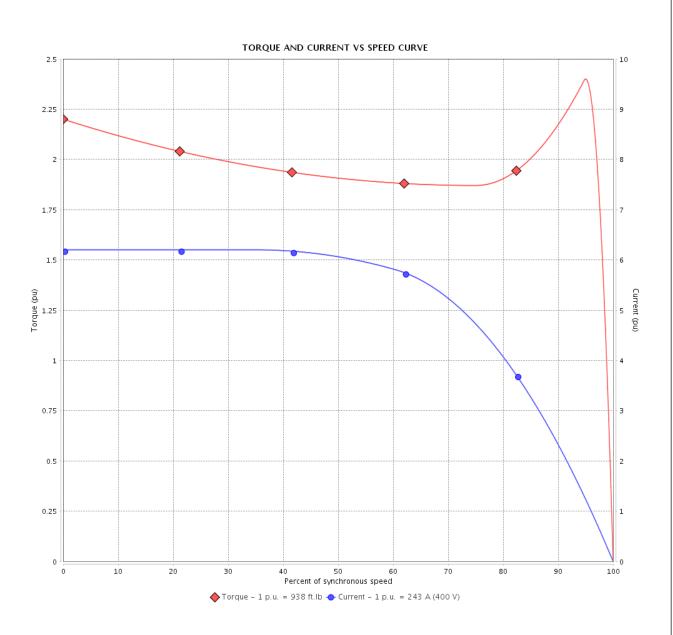
Customer :

Product line : NEMA Premium Efficiency Three- F

Phase

Product code: 11432182

Catalog #: 20012ST3QIERB449T-W2



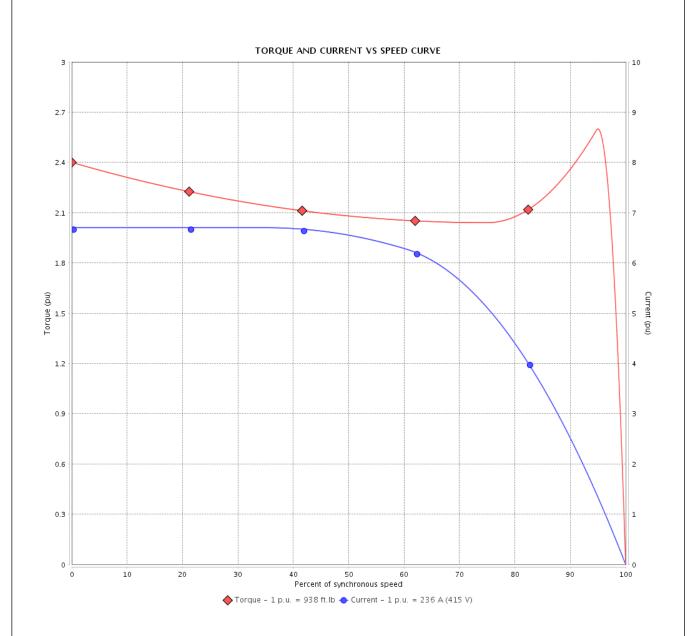
Performance	: 400 V 50 Hz 6P IE2		
Rated current	: 243 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 938 ft.lb	Insulation class	:F
Locked rotor torque	: 220 %	Service factor	: 1.00
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 980 rpm	Design	: B
		-	

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			4 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 11432182 Catalog #: 20012ST3QIERB449T-W2



Performance : 415 V 50 Hz 6P IE2 Rated current : 236 A Moment of inertia (J) : 145 sq.ft.lb **LRC** : 6.7 Duty cycle : Cont.(S1) : 938 ft.lb Insulation class Rated torque : F Locked rotor torque : 240 % Service factor : 1.00 Breakdown torque : 260 % Temperature rise : 80 K : B Rated speed : 980 rpm Design Locked rotor time

: 21s (cold) 12s (hot)

		. , , , ,			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			5 / 36	

### Three Phase Induction Motor - Squirrel Cage



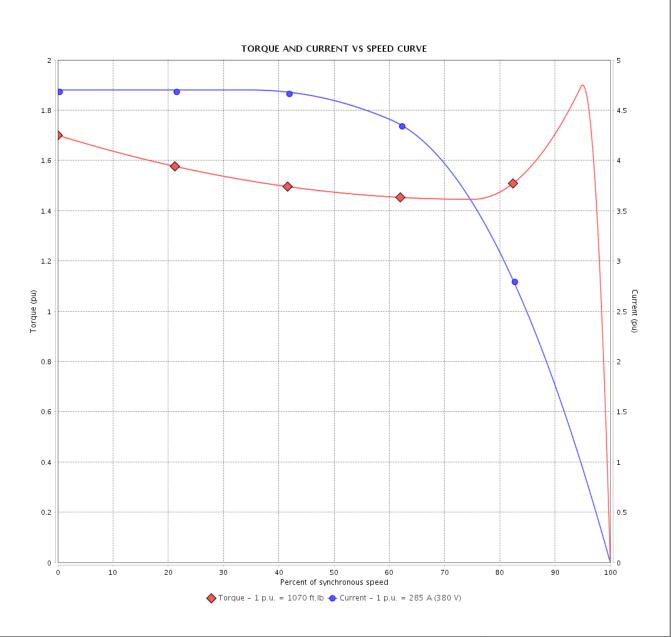
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11432182

Catalog #: 20012ST3QIERB449T-W2



Performance	: 380 V 50 Hz 6P IE1		
Rated current LRC Rated torque	: 285 A : 4.7 : 1070 ft.lb	Moment of inertia (J) Duty cycle Insulation class	: 145 sq.ft.lb : Cont.(S1) : F
Locked rotor torque Breakdown torque	: 170 % : 190 %	Service factor Temperature rise	: 1.00 : 105 K
Rated speed	: 980 rpm	Design	: B
Locked roter time	: 21c (cold) 12c (bot)		

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			6 / 36	

#### Three Phase Induction Motor - Squirrel Cage

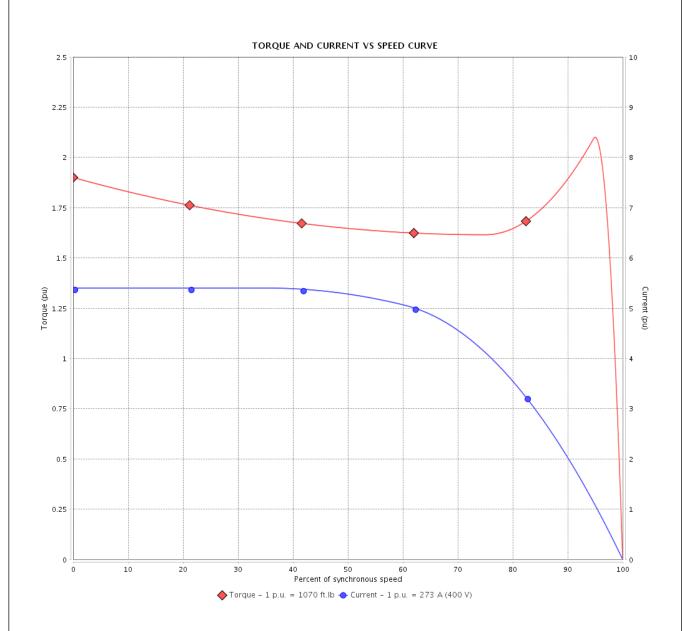


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11432182

Phase

Catalog #: 20012ST3QIERB449T-W2



Performance	: 400 V 50 Hz 6P IE1		
Rated current	: 273 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 5.4	Duty cycle	: Cont.(S1)
Rated torque	: 1070 ft.lb	Insulation class	:F
Locked rotor torque	: 190 %	Service factor	: 1.00
Breakdown torque	: 210 %	Temperature rise	: 105 K
Rated speed	: 980 rpm	Design	: B
Locked rotor time	: 21s (cold) 12s (hot)	L	

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			7 / 36	

#### Three Phase Induction Motor - Squirrel Cage



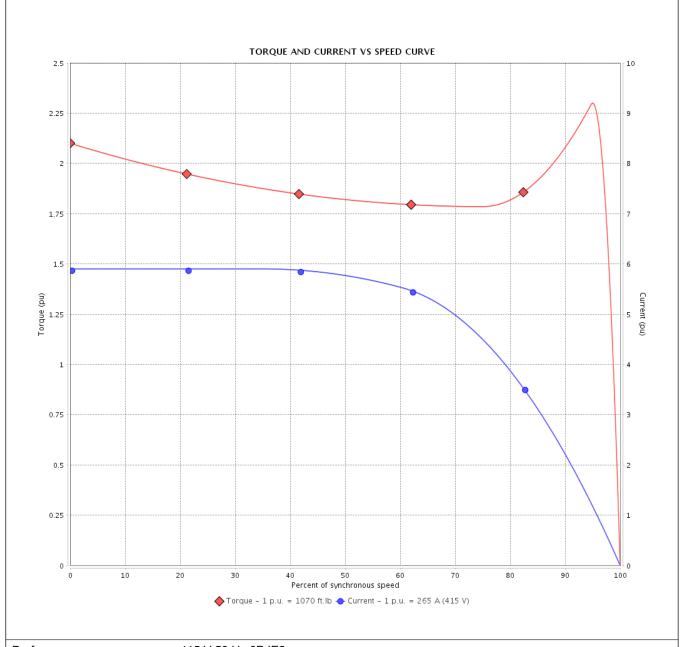
Customer :

Product line : NEMA Premium Efficiency Three- P

Phase

Product code: 11432182

Catalog #: 20012ST3QIERB449T-W2



 Performance
 : 415 V 50 Hz 6P IE2

 Rated current
 : 265 A
 Moment of inertia (J)
 : 145 sq.ft.lb

 LRC
 : 5.9
 Duty cycle
 : Cont.(S1)

 Patent formula
 : 4070 ft lb
 Instabling along
 : F

: 1070 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 210 % : 1.00 Breakdown torque : 229 % Temperature rise : 105 K Rated speed : 980 rpm Design : B

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			8 / 36	

#### Three Phase Induction Motor - Squirrel Cage

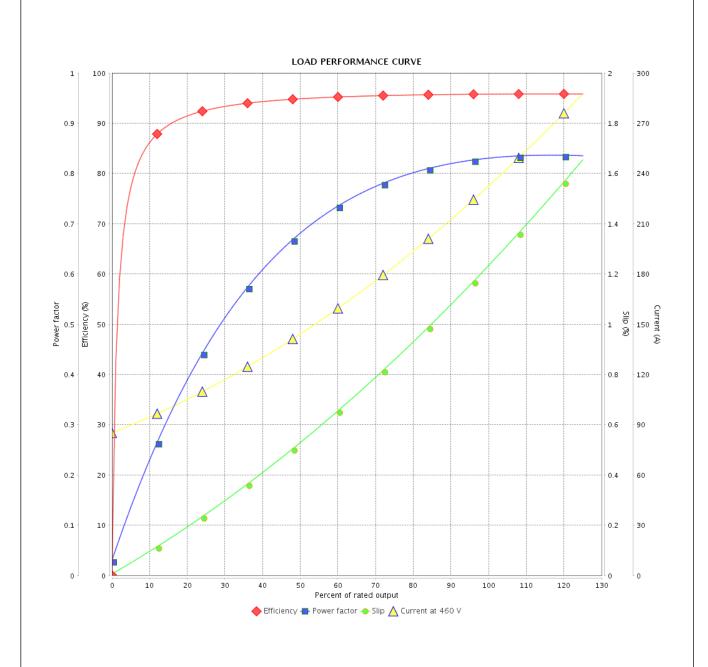


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11432182

Phase

Catalog #: 20012ST3QIERB449T-W2



Performance	: 4	60 V 60 Hz 6P				
Rated current	: 2	237 A	Moment o	f inertia (J)	: 145 sq.ft.lb	
LRC	: 6	5.1	Duty cycle	<b>;</b>	: Cont.(S1)	
Rated torque	: 8	86 ft.lb	Insulation	class	: F	
Locked rotor torqu	e : 2	20 %	Service fa	ctor	: 1.15	
Breakdown torque	: 2	40 %	Temperati	Temperature rise		
Rated speed	: 1	185 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022	7			9 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer

Checked by

Date

Product line : NEMA Premium Efficiency Three-

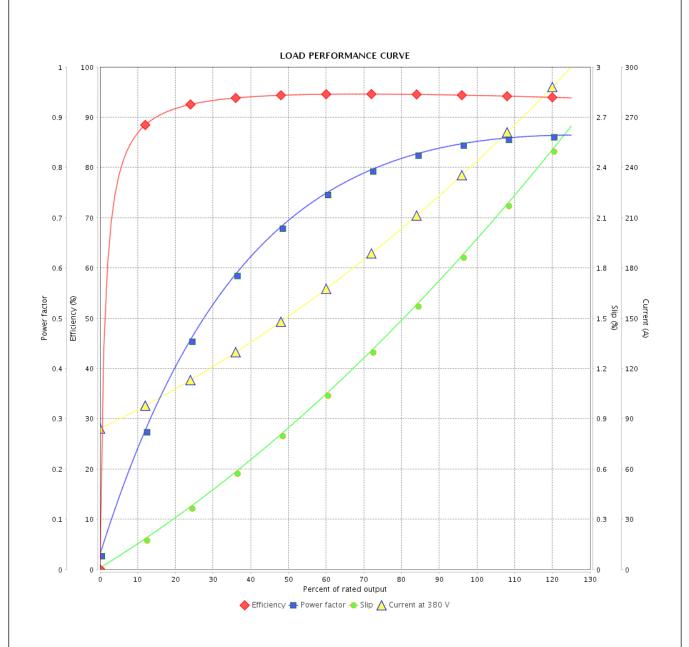
Product code: 11432182

Catalog #: 20012ST3QIERB449T-W2

Page

10/36

Revision



Performance		: 380 V 50 Hz 6F	P IE1				
Rated current       : 250 A         LRC       : 5.5         Rated torque       : 938 ft.lb         Locked rotor torque       : 200 %         Breakdown torque       : 220 %         Rated speed       : 980 rpm		Dut Insu Ser Ten	Moment of inertia (J) : 145 sq.ft.lb  Duty cycle : Cont.(S1)  Insulation class : F  Service factor : 1.00  Temperature rise : 80 K  Design : B				
Rev.		Changes Sui	mmary		Performed	Checked	Date
Performed by							

#### Three Phase Induction Motor - Squirrel Cage

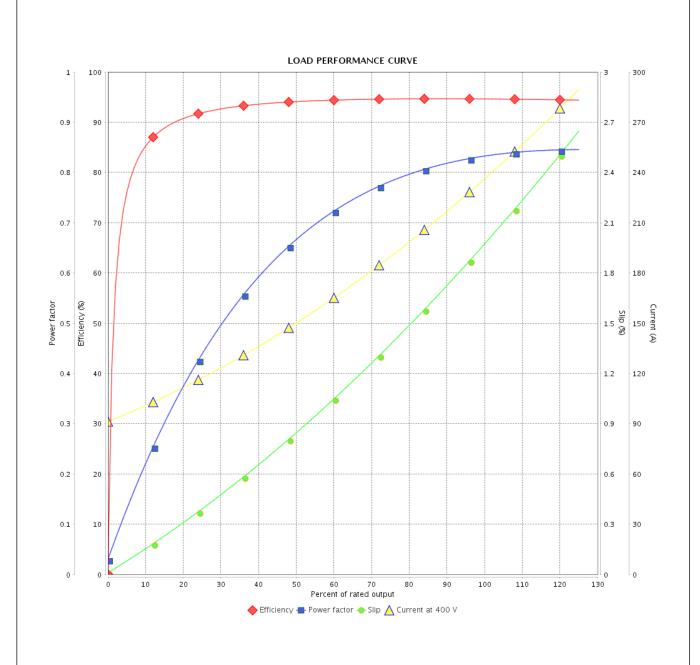


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11432182

Phase

Catalog #: 20012ST3QIERB449T-W2



Performance	ormance : 400 V 50 Hz 6P IE2					
Rated current	ed current : 243 A		Moment o	f inertia (J)	: 145 sq.ft.lb	
LRC	: 6	.2	Duty cycle	<b>;</b>	: Cont.(S1)	
Rated torque	: 9	38 ft.lb	Insulation	Insulation class		
Locked rotor torque	e : 2	20 %	Service fa	Service factor		
Breakdown torque	: 2	40 %	Temperatu	Temperature rise : 80 K		
Rated speed	: 9	80 rpm	Design		: B	
Rev.		Changes Summa	nry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022				11 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

14/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

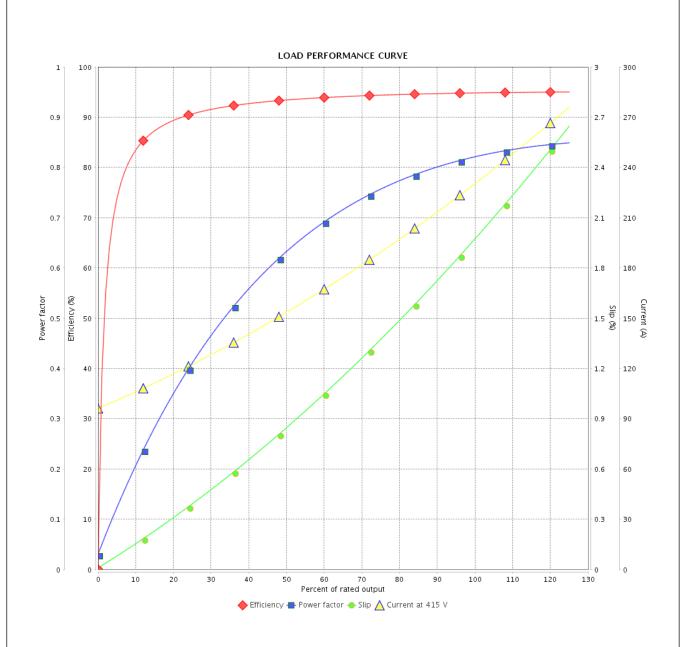
Product code: 11432182

Catalog #: 20012ST3QIERB449T-W2

Page

12/36

Revision



Performance	: 4	15 V 50 Hz 6P IE2				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6 : 9 ue : 2	236 A 5.7 238 ft.lb 240 % 260 % 280 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 145 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						

#### Three Phase Induction Motor - Squirrel Cage

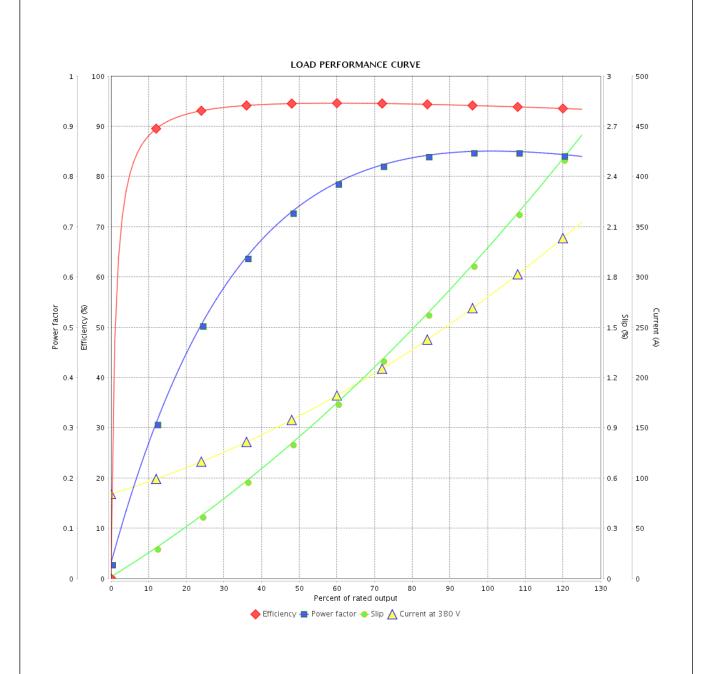


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11432182

Phase

Catalog #: 20012ST3QIERB449T-W2



Performance	:	: 380 V 50 Hz 6P IE1					
Rated current		: 285 A	Moment o	f inertia (J)	: 145 sq.ft.lb		
LRC	:	: 4.7	Duty cycle		: Cont.(S1)		
Rated torque	ted torque : 1070 ft.lb Insulation class		class	: F			
Locked rotor torque		: 170 %	Service fa	Service factor : 1.00			
Breakdown torque	:	: 190 %	Temperati	Temperature rise : 105 K			
Rated speed	:	: 980 rpm	Design		: B	: B	
Rev.		Changes Summary		Performed	Checked	Date	
Performed by							
Checked by					Page	Revision	
Date	14/04/2022				13 / 36		

#### Three Phase Induction Motor - Squirrel Cage



Customer :

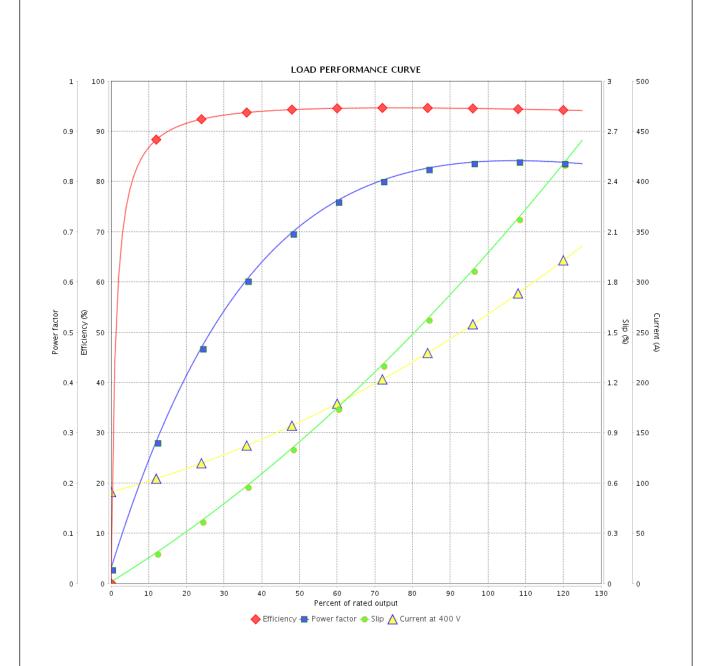
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 20012ST3QIERB449T-W2

11432182

14/36



Performance	: 400 V 50 Hz 6P IE1				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5.4 Duty cycl ue : 1070 ft.lb Insulation or torque : 190 % Service for torque : 210 % Temperat		class ctor	: 145 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

14/04/2022

Date

#### Three Phase Induction Motor - Squirrel Cage

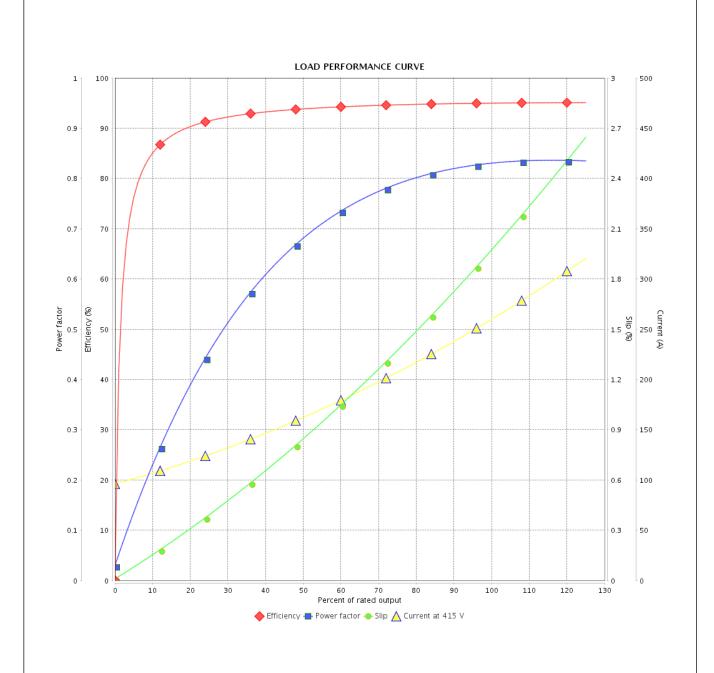


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11432182

Phase

Catalog #: 20012ST3QIERB449T-W2



Performance	: •	415 V 50 Hz 6P IE2				
Rated current	Rated current : 265 A		Moment o	f inertia (J)	: 145 sq.ft.lb	
LRC	::	5.9	Duty cycle	Duty cycle		
Rated torque	que : 1070 ft.lb Insulation class		class	: F		
Locked rotor torque : 21		210 %	Service fa	Service factor : 1.00		
Breakdown torque	e ::	229 %	Temperati	Temperature rise : 105 K		
Rated speed	: !	980 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022				15 / 36	

### Three Phase Induction Motor - Squirrel Cage

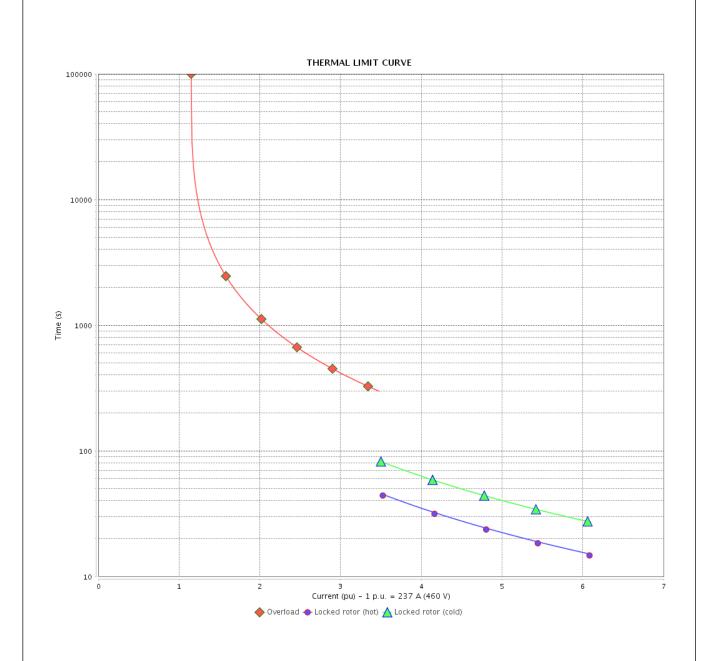


Rated current : 237 A	Customer		:				
Performance	Product line		: NEMA Premium Efficiency	Three-	Product code :	11432182	
Performance							DD440T WO
Rated current : 237 A					Catalog # .	20012313Q1	-ND4491-VVZ
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
Rated current : 237 A							
LRC : 6.1 Duty cycle : Cont.(S1) Rated torque : 886 ft.lb Insulation class : F Locked rotor torque : 220 % Service factor : 1.15 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1185 rpm Design : B  Heating constant Cooling constant  Rev. Changes Summary Performed Checked Date  Performed by Checked by  Page Revision	Performance		: 460 V 60 Hz 6P				
LRC : 6.1 Duty cycle : Cont.(S1) Rated torque : 886 ft.lb Insulation class : F Locked rotor torque : 220 % Service factor : 1.15 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1185 rpm Design : B  Heating constant Cooling constant  Rev. Changes Summary Performed Checked Date  Performed by Checked by  Page Revision	Rated current		: 237 A	Moment of	of inertia (J)	: 145 sq.ft.lb	
Service factor : 1.15 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1185 rpm Design : B  Heating constant Cooling constant  Rev. Changes Summary Performed Checked Date  Performed by Checked by  Page Revision	LRC			Duty cycle	Э	: Cont.(S1)	
Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1185 rpm Design : B  Heating constant Cooling constant  Rev. Changes Summary Performed Checked Date  Performed by Checked by							
Heating constant Cooling constant Rev. Changes Summary Performed Checked Date  Performed by Checked by Page Revision	Breakdown torqu	ie :	: 240 %	Temperat		: 80 K	
Rev. Changes Summary Performed Checked Date  Performed by Checked by	Rated speed		: 1185 rpm	Design		: B	
Rev. Changes Summary Performed Checked Date  Performed by Checked by Page Revision	Heating constant	t					
Performed by Checked by Page Revision	Cooling constant	t					
Checked by Page Revision	Rev.		Changes Summary		Performed	Checked	Date
Checked by Page Revision	<b>5</b>						
							<b>.</b>
	Checked by  Date	14/04/2022				Page 16 / 36	Kevision

#### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			17 / 36	

### Three Phase Induction Motor - Squirrel Cage

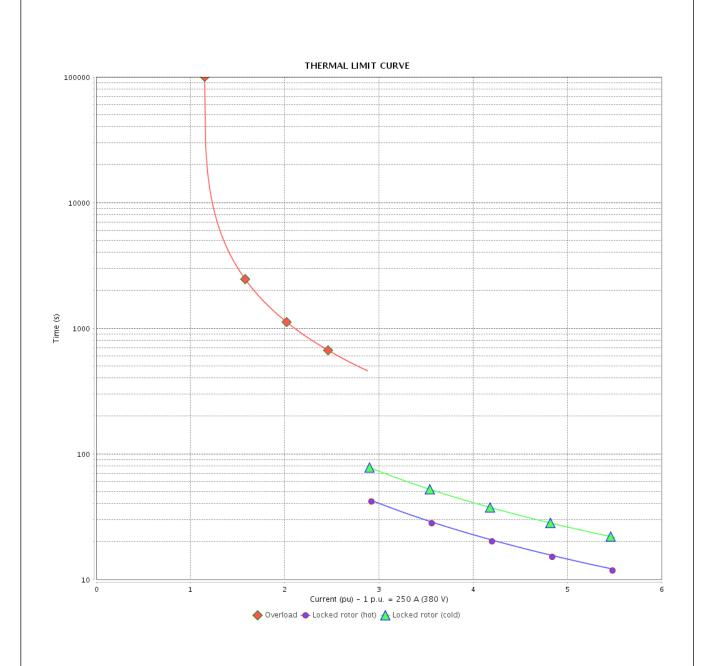


Customer		:				
Product line		: NEMA Premium Efficiency	Three-	Product code :	11432182	
		Phase		Catalog # :	20012ST3QIE	RB449T-W2
					<u> </u>	
Performance		: 380 V 50 Hz 6P IE1				
Rated current		: 250 A	Moment o	of inertia (J)	: 145 sq.ft.lb	
LRC		: 5.5	Duty cycle	Э	: Cont.(S1)	
Rated torque Locked rotor torq		: 938 ft.lb : 200 %	Insulation Service fa		: F : 1.00	
Breakdown torqu	ie :	: 220 %	Temperat		: 80 K	
Rated speed		: 980 rpm	Design		: B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Dorformed by						
Performed by					Dogo	Revision
Checked by	14/04/2022				Page 18 / 36	VEAISIO[]

### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by			·		1
Checked by				Page	Revision
Date	14/04/2022			19 / 36	

### Three Phase Induction Motor - Squirrel Cage

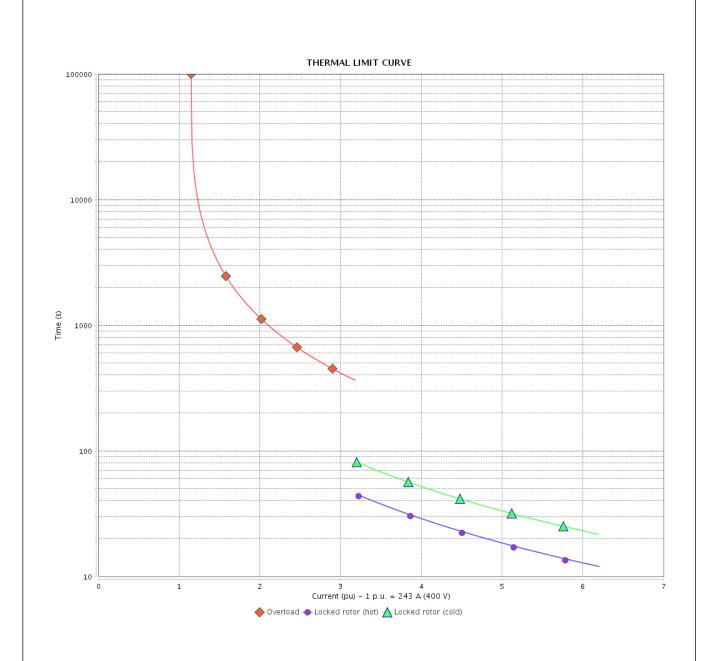


Customer		:				
Product line		: NEMA Premium Efficiency Phase	Three-	Product code :	11432182	
				Catalog # :	20012ST3QIE	RB449T-W2
Performance		: 400 V 50 Hz 6P IE2	Mamanta	of in autic ( 1)	. 115 on # lb	
Rated current LRC		: 243 A : 6.2	Duty cycle	of inertia (J) e	: 145 sq.ft.lb : Cont.(S1)	
Rated torque		: 938 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		: 220 % : 240 %	Service fa Temperat		: 1.00 : 80 K	
Rated speed		: 980 rpm	Design	uie lise	: B	
Heating constan						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022				20 / 36	

### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			21 / 36	

### Three Phase Induction Motor - Squirrel Cage

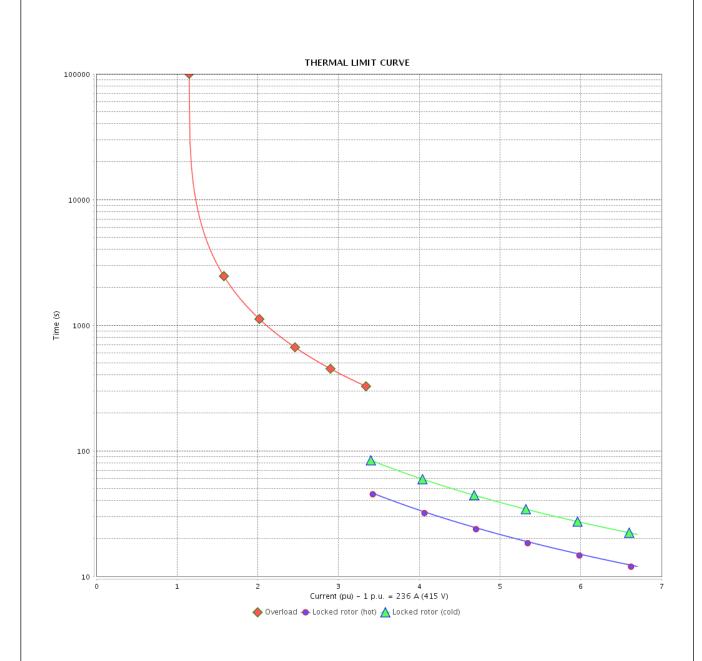


Customer	:				,	
Product line		NEMA Premium Efficiency nase		Product code :	11432182 20012ST3QIE	ERB449T-W2
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 23 : 6. : 93 ue : 24 e : 26	15 V 50 Hz 6P IE2 36 A 7 38 ft.lb 40 % 50 % 30 rpm	Moment of Duty cycle Insulation Service far Temperatu Design	class	: 145 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant Cooling constant Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by	11/01/0005				Page	Revision

### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			23 / 36	

### Three Phase Induction Motor - Squirrel Cage

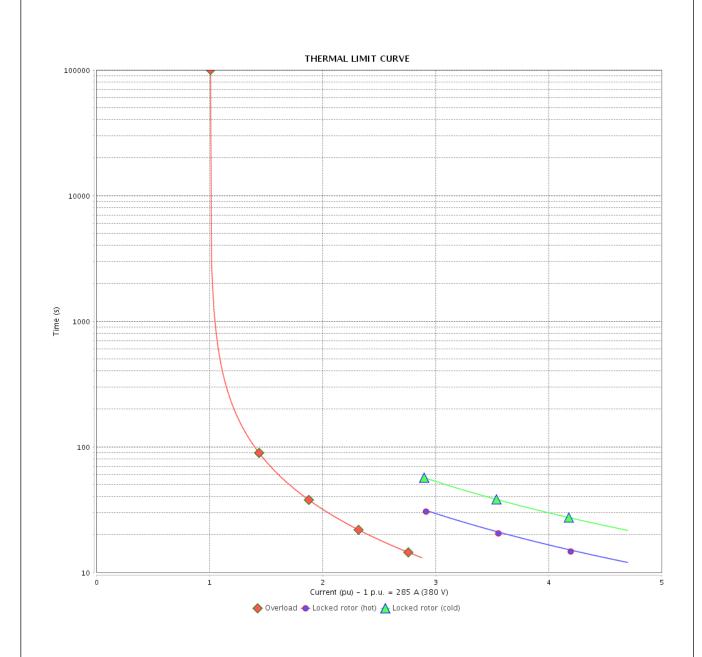


Customer	:				
Product line	: NEMA Premium Efficiency Phase	Three-	Product code :	11432182	
	Tilase		Catalog # :	20012ST3QIE	RB449T-W2
Performance	· 200 \/ E0 U= 6D IE1				
Rated current	: 380 V 50 Hz 6P IE1 : 285 A	Moment o	of inertia (J)	: 145 sq.ft.lb	
LRC	: 4.7	Duty cycle	е	: Cont.(S1)	
Rated torque	: 1070 ft.lb	Insulation		: F	
Locked rotor torque Breakdown torque	: 170 % : 190 %	Service fa Temperat		: 1.00 : 105 K	
Rated speed	: 980 rpm	Design	410	: B	
Heating constant					
Cooling constant					
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by  Date 14/04/20	22			Page 24 / 36	Revision

#### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			25 / 36	

### Three Phase Induction Motor - Squirrel Cage

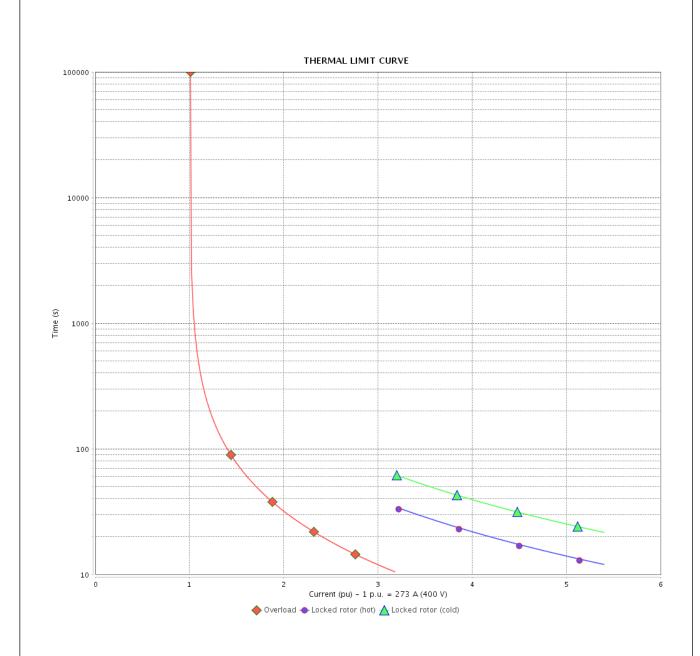


Customer		:				
Product line		: NEMA Premium Efficiency Phase	Three-	Product code :	11432182	
				Catalog # :	20012ST3QIE	RB449T-W2
Performance		: 400 V 50 Hz 6P IE1 : 273 A	Mamanta	of in outin (1)	. 145 on fills	
Rated current LRC		. 273 A : 5.4	Duty cycle	of inertia (J) e	: 145 sq.ft.lb : Cont.(S1)	
Rated torque		: 1070 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		: 190 % : 210 %	Service fa Temperat		: 1.00 : 105 K	
Rated speed		: 980 rpm	Design	ure rise	: B	
Heating constan						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022				26 / 36	

### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			27 / 36	

### Three Phase Induction Motor - Squirrel Cage

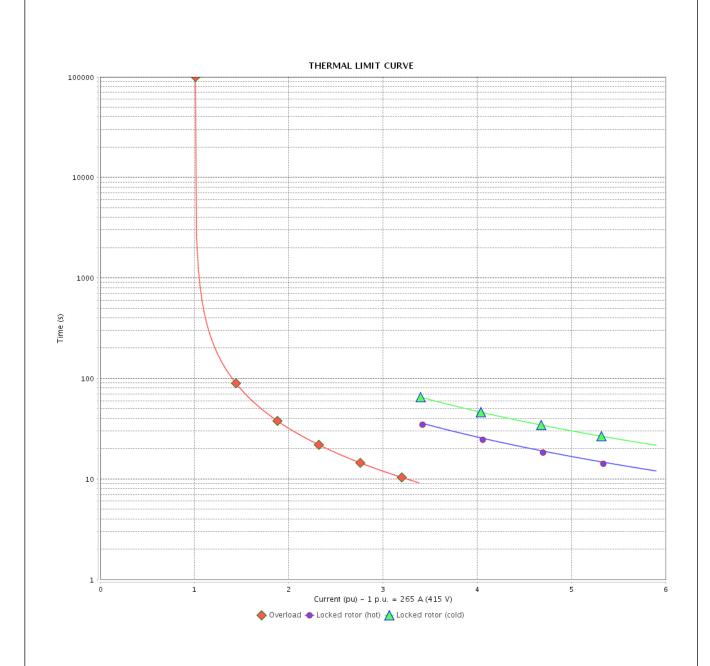


Customer		:				
Product line		: NEMA Premium Efficiency <sup>-</sup> Phase		Product code :	11432182 20012ST3QIE	ERB449T-W2
Performance Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	que ::	415 V 50 Hz 6P IE2 265 A 5.9 1070 ft.lb 210 % 229 % 980 rpm	Moment or Duty cycle Insulation Service fa Temperatu Design	class ctor	: 145 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Heating constant Cooling constant Rev.	t	Changes Summary	-	Performed	Checked	Date
Performed by Checked by Date	14/04/2022				Page 28 / 36	Revision

### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by			,		1
Checked by				Page	Revision
Date	14/04/2022			29 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

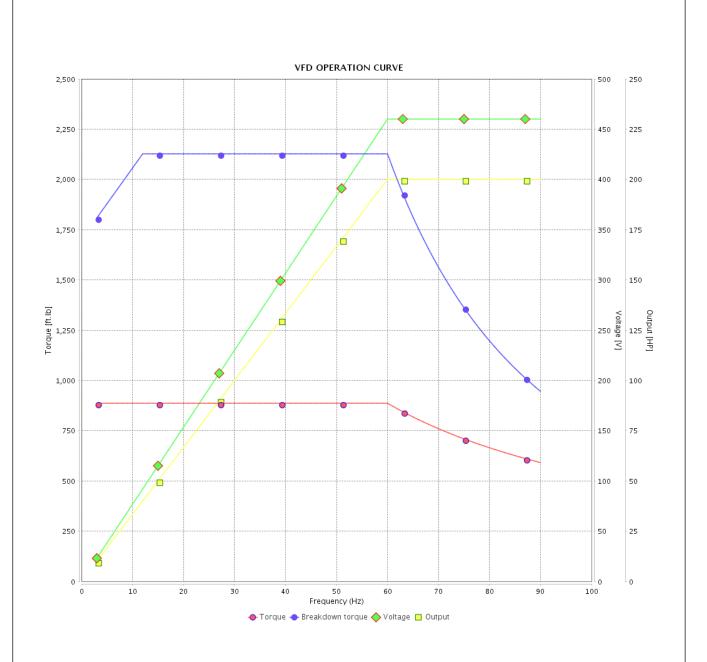
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 20012ST3QIERB449T-W2

30 / 36

11432182



Performance	: 460 V 60 Hz 6P			
Rated current LRC Rated torque	: 237 A : 6.1 : 886 ft.lb	Moment of inertia (J) Duty cycle Insulation class	: 145 sq.ft.lb : Cont.(S1) : F	
Locked rotor torque Breakdown torque Rated speed	: 220 % : 240 % : 1185 rpm	Service factor Temperature rise Design	: 1.15 : 80 K : B	
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision

14/04/2022

Date

#### Three Phase Induction Motor - Squirrel Cage

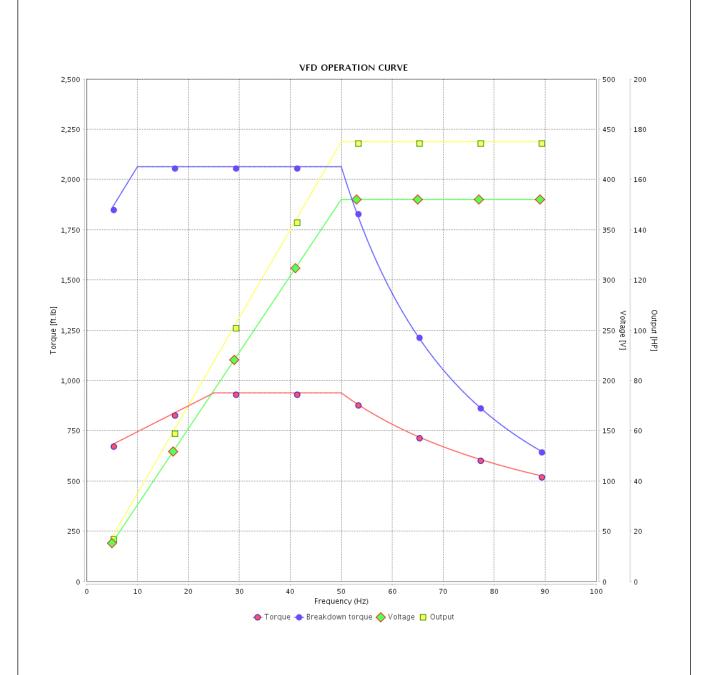


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11432182

Phase

Catalog #: 20012ST3QIERB449T-W2



Performance	:	380 V 50 Hz 6P IE1				
Rated current	:	250 A	0 A Moment of inertia		: 145 sq.ft.lb	
LRC	:	5.5	Duty cycle	}	: Cont.(S1)	
Rated torque	:	938 ft.lb	Insulation	class	: F	
Locked rotor torque	e :	200 %	Service fa	ctor	: 1.00	
Breakdown torque	:	220 %	Temperature rise		: 80 K	
Rated speed	:	980 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022				31 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

14/04/2022

Product line : NEMA Premium Efficiency Three- Product line : NEMA Pr

Phase

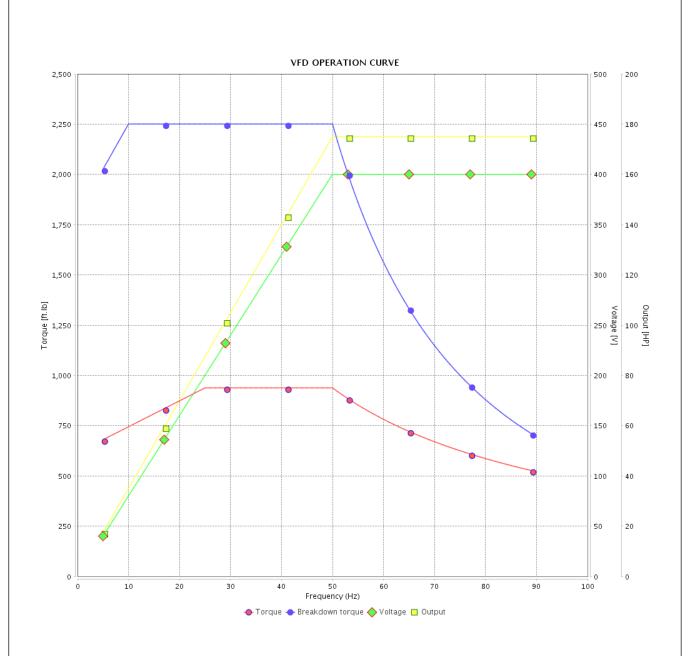
Product code: 11432182

Catalog #: 20012ST3QIERB449T-W2

Page

32 / 36

Revision



Performance		: 400 V 50 Hz 6P	IE2			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	•	: 243 A : 6.2 : 938 ft.lb : 220 % : 240 % : 980 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 145 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.		Changes Sum	mary	Performed	Checked	Date
Performed by						
Periornied by						

#### Three Phase Induction Motor - Squirrel Cage

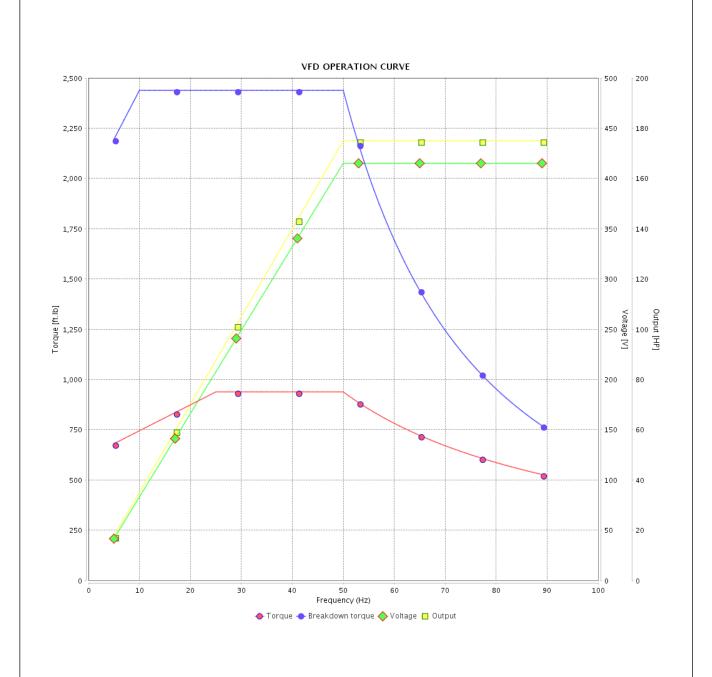


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11432182

Phase

Catalog #: 20012ST3QIERB449T-W2



Performance	: 41	5 V 50 Hz 6P IE2				
Rated current	: 23	: 236 A Moment		f inertia (J)	: 145 sq.ft.lb	
LRC	: 6.	7	Duty cycle	<b>)</b>	: Cont.(S1)	
Rated torque	: 93	88 ft.lb	Insulation	class	: F	
Locked rotor torque	: 24	0 %	Service fa	ctor	: 1.00	
Breakdown torque	: 26	60 %	Temperati	ıre rise	: 80 K	
Rated speed	: 98	0 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022				33 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

14/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

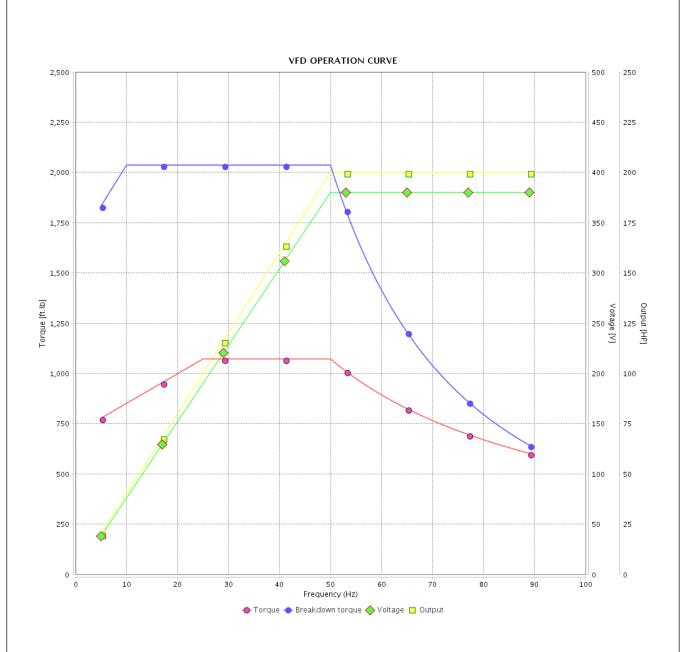
Product code: 11432182

Catalog #: 20012ST3QIERB449T-W2

Page

34 / 36

Revision



Performance : 380 V 50 Hz 6P IE1 Rated current : 285 A Moment of inertia (J) : 145 sq.ft.lb **LRC** : 4.7 Duty cycle : Cont.(S1) : 1070 ft.lb Insulation class : F Rated torque Locked rotor torque : 170 % Service factor : 1.00 Breakdown torque : 190 % Temperature rise : 105 K Rated speed : 980 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

#### Three Phase Induction Motor - Squirrel Cage



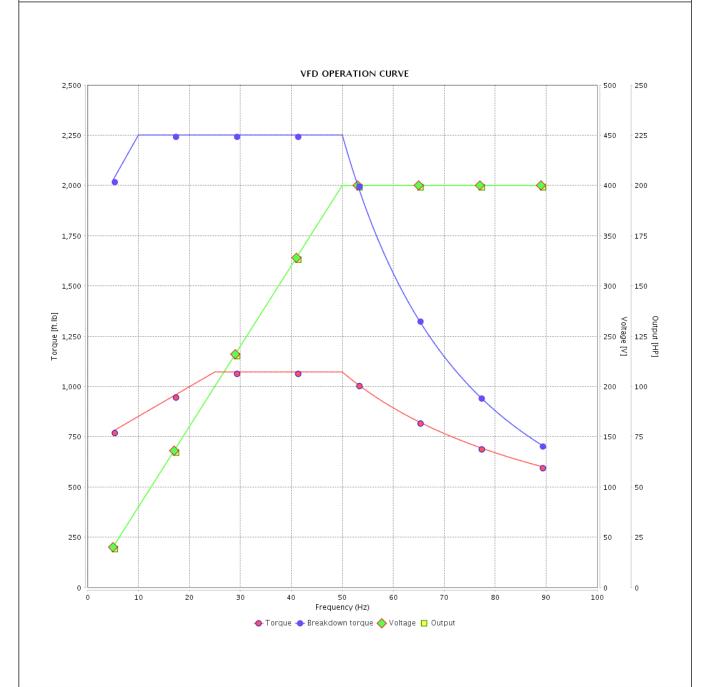
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog # : 20012ST3QIERB449T-W2

11432182



Performance	: 40	: 400 V 50 Hz 6P IE1							
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 5. : 10  ue : 19  e : 2	Moment of inertia (J) Duty cycle To ft.lb Insulation class Service factor Temperature rise Design		: 145 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B					
Rev. Changes Summary				Performed	Checked	Date			
Performed by									
Checked by					Page	Revision			
Date	14/04/2022				35 / 36				

#### Three Phase Induction Motor - Squirrel Cage



Customer :

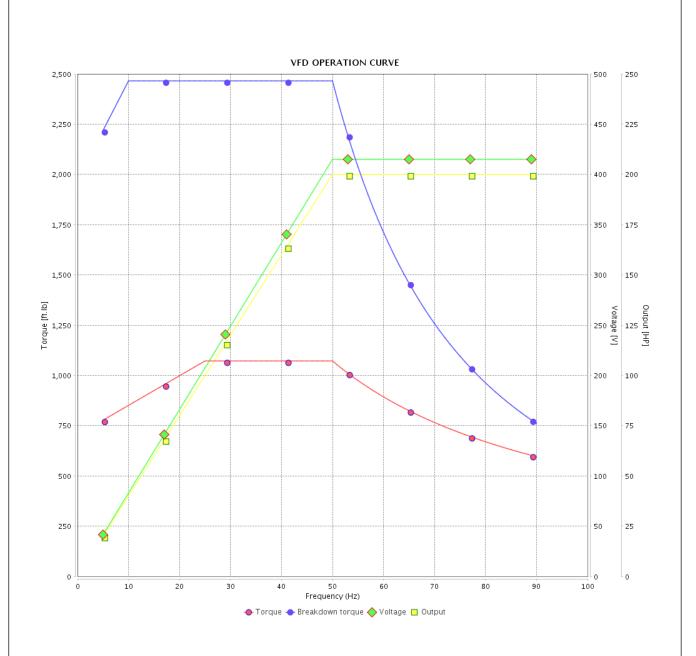
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 20012ST3QIERB449T-W2

36 / 36

11432182



Performance	: 415 V 50 Hz 6P IE2	: 415 V 50 Hz 6P IE2							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 265 A : 5.9 : 1070 ft.lb : 210 % : 229 % : 980 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 145 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B					
Rev.	Changes Summary	Performed	Checked	Date					
Performed by Checked by				Page	Revision				

14/04/2022

Date

